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\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Practice Limited to  
Federal Agencies

August 27, 2003

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**Art Unit 1647**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Utility Patent Application  
Appl. No. 09/917,789; Filed: July 31, 2001  
For: **Model for Alzheimer's Disease and Other Neurodegenerative Diseases**  
Inventors: Lynch *et al.*  
Our Ref: 1819.0030002/MAC/TSC

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Form PTO-2038 Credit Card Payment Form for \$7,413.00 to cover:  
\$ 465.00 Extension Fee Under 37 C.F.R. § 1.136;  
\$6,948.00 Extra Claim Fee (37 C.F.R. 1.16);
2. Fee Transmittal Form (PTO/SB/17);
3. Petition For Extension of Time Under 37 C.F.R. § 1.136(a)(1);
4. Amendment And Reply Under 37 C.F.R. § 1.111 and in the Revised Format of the Pre-OG Notice Dated January 31, 2003;
5. A copy of the Declaration of Xiaoning Bi and Gary Lynch, executed by Gary Lynch;
6. A copy of the date-stamped postcard previously filed on July 31, 2001;
7. A copy of the face page of Publication No. US 2002/0048746 A1;

Commissioner for Patents  
August 27, 2003  
Page 2

8. A copy of the Abstract of the Disclosure of the captioned patent application;
9. 11 pages of Replacement Drawing Sheets (Figs. 6A-6B, 12A-12B, 14A-14B, 15, 17, 20, 21A-21B, 22, 23, 26 and 27);
10. 11 pages of Annotated Drawing Sheets (Figs. 6A-6B, 12A-12B, 14A-14B, 15, 17, 20, 21A-21B, 22, 23, 26 and 27);
11. Fifth Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97(c);
12. Form PTO-1449 (1 sheet citing 2 documents);
13. 2 documents cited in Form PTO-1449 attached; and
14. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

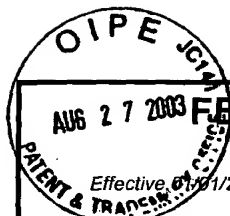
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michele A. Cimbala  
Attorney for Applicants  
Registration No. 33,851

MAC/TSC/lam  
Enclosures

::ODMA\MHODMA\SKGF\_DC1;172169;1



# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**7413.00**

## Complete if Known

Application Number 09/917,789  
Filing Date July 31, 2001  
First Named Inventor Gary LYNCH  
Examiner Name Nichols, Christopher J.  
Art Unit 1647  
Attorney Docket No. 1819.0030002/MAC/TSC

## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☒ Other\*\* ☐ None  
\*\* Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

☐ Deposit Account  
Deposit Account Number 19-0036  
Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any over payments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1105	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra	Fee from below	Fee Paid
Total Claims 884 - 112** = 772 X 9.00			= 6948.00
Indep. Claims 2 - 8** = 0 X 0.00			= 0.00
Multiple Dependent 0			= 0.00

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description
1202	2202	18	9	Claims in excess of 20
1201	2201	84	42	Independent claims in excess of 3
1203	2203	280	140	Multiple dependent claim, if not paid
1204	2204	84	42	**Reissue independent claims over original patent
1205	2205	18	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 6948.00

\*\*or number previously paid, if greater; For Reissue, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1502	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	465.00
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 465.00

## SUBMITTED BY

Name (Print/Type)

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Complete (if applicable)

Telephone 202-371-2600

Signature

*Michele A. Cimbala*

Date

8-27-03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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AUG 28 2003

TECH CENTER 1600/290

Due Date: July 31, 2001  
Art Unit: To be Assigned  
Examiner: To be Assigned  
Docket: 1819.0030002  
Atty: MAC/TSC

Applicant: LYNCH *et al.*

Application No.: To be Assigned

Filed: Herewith

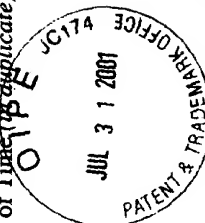
For: Model for Alzheimer's Disease and Other Neurodegenerative Diseases

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents:

1. PTO Cover Letter;
2. USPTO Utility Patent Application Transmittal Form PTO/SB/05;
3. U.S. Utility Patent Application entitled: Model for Alzheimer's Disease and Other Neurodegenerative Diseases and naming as inventors: Gary LYNCH and Xiaoning BI the application comprising: a. A specification containing: 109 pages of description prior to the claims; (ii) 15 pages of claims ( 94 claims); (iii) a one (1) page abstract; b. 30 sheets of drawings: (Figures 1-30);
4. Application Data Sheet (37 C.F.R. § 1.76)(*in duplicate*);
5. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (*in duplicate*); and
6. Two (2) return postcards.

11002 U.S. PTO

09/917789



Box: PATENT APPLICATION

For Advance Notification of Application Number

Information (DB) Due- 10-31-01  
Foreign Filing Deadline - 7-31-02.